

Jitterless Processing of Bitstreams

ABSTRACT OF THE DISCLOSURE

5 The present invention relates to systems and methods for processing and transmitting data that preserves the timing relationship of the data being transmitted and/or processed. In one embodiment, the present invention uses a timestamp. The timestamp stores the timing relationship of data in the bitstream as it appeared before any processing that may alter the timing relationship of the data. The data may then be processed. By storing the original
10 timing relationship of data, before any processing that alters the timing relationship of data, the present invention allows for the recreation of the original timing relationship between data. Thus, any jitter introduced by processing the data may be removed or substantially reduced. When the bitstream is transmitted through a processing system of the present invention, the present invention allows the processing system to process data in a manner that
15 changes the timing relationship of the data being transmitted and transmit the data while essentially maintaining the timing relationship of the data as it was received by the processing system.